

IN THE CLAIMS

Please cancel non-elected claims 26-30, 36, 38, and 39. Please also cancel claims 23-25, 32, 41-43, and 45-47.

C1 22. (twice amended) A composition consisting essentially of a polynucleotide having a sequence encoding a human fibroblast growth factor receptor (hFGFr) as shown in SEQ ID NO:1.

31. (amended) A composition consisting essentially of a recombinant human fibroblast growth factor receptor (hFGFr) vector comprising:

- C2
- (a) an origin of replication; and
  - (b) a nucleic acid encoding means for hFGFr comprising the amino acid sequence shown in SEQ ID NO:1,

~~wherein the origin of replication is operably linked to the nucleic acid encoding means.~~

C3 33. (amended) The composition of claim 31, wherein the recombinant vector is an expression vector capable of producing the human fibroblast growth factor receptor in a host cell, wherein the vector further comprises a promoter operable in the host cell and operably linked to the nucleic acid encoding means.

35. (amended) A composition consisting essentially of a recombinant human fibroblast growth factor receptor (hFGFr) vector comprising

- C4
- (a) an origin of replication; and
  - (b) a nucleic acid encoding means for an hFGFr comprising an extracellular region, wherein the hFGFr comprises the amino acid sequence shown in SEQ ID NO:1, wherein the origin of replication is operably linked to the nucleic acid encoding means.

C5 37. (twice amended) A method of isolating a polynucleotide having a sequence encoding a human fibroblast growth factor receptor (hFGFr) comprising the amino acid sequence

shown in SEQ ID NO:1, wherein the method comprises:

providing oligonucleotide probes

ATAACGGACCTTGTAGCCTCCAATTCTGTG (SEQ ID NO:7) and

GCGGCGTTTGAGTCCGCCATTGGCAAGCTG (SEQ ID NO:8),

providing a cDNA library of candidates,

contacting the cDNA library with the probes under conditions that permit

hybridization, and

identifying and isolating the candidate that hybridizes to both oligonucleotide

probes.

40. (amended) A host cell comprising a recombinant human fibroblast growth factor receptor (hFGFr) vector comprising:

(a) an origin of replication operable in the host cell; and

(b) a nucleic acid encoding means for an hFGFr comprising the amino acid sequence shown in SEQ ID NO:1,

wherein the origin of replication is operably linked to the nucleic acid encoding means.

44. (amended) A method of producing a human fibroblast growth factor receptor (hFGFr), comprising:

(a) providing a host cell that comprises

an origin of replication operable in the host cell, and

a nucleic acid encoding means for an hFGFr comprising the amino acid sequence shown in SEQ ID NO:1,

wherein the origin of replication is operably linked to the nucleic acid encoding means;

(b) culturing the host cell in a suitable culture medium and under suitable conditions permitting the expression of the nucleic acid encoding means; and